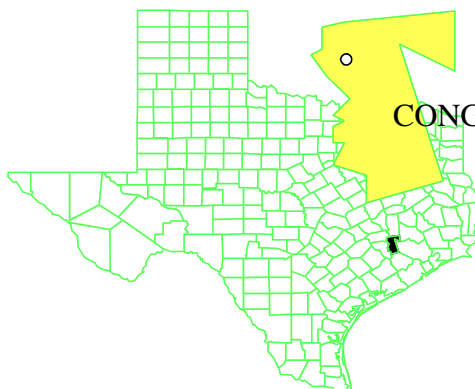


SHERIDAN DISPOSAL SERVICES TEXAS

EPA ID# TXD062132147

Site ID: 0602108



EPA REGION 6

CONGRESSIONAL DISTRICT 31

Waller County

September 17, 2004

Site Description

- Location:
- The site is about nine miles northwest of Hempstead in Waller County, at the border of Washington County, Texas.
 - The facility is bounded by the Brazos River (north) and Clark Road (south).
 - The surrounding area is primarily farm and grazing land.
- Population:
- The Town of Brown College, with approximately sixty residents, is about 1½ miles north of the site.
- Setting:
- The nearest home and drinking water well are less than a mile from the site.
 - The site area is predominantly agricultural.
 - The site covers 110 acres in a 695-acre tract of land that includes a 15-acre lagoon and a 40-acre evaporation land farm.
- Hydrology:
- The shallow aquifer (0-75 feet) consists of recent Brazos River alluvial sediments, which include silty clays with sand and gravel stringers.
 - The Evangeline Aquifer appears to underlie the recent alluvium that is a thick unit of alternating clay and sand layers.

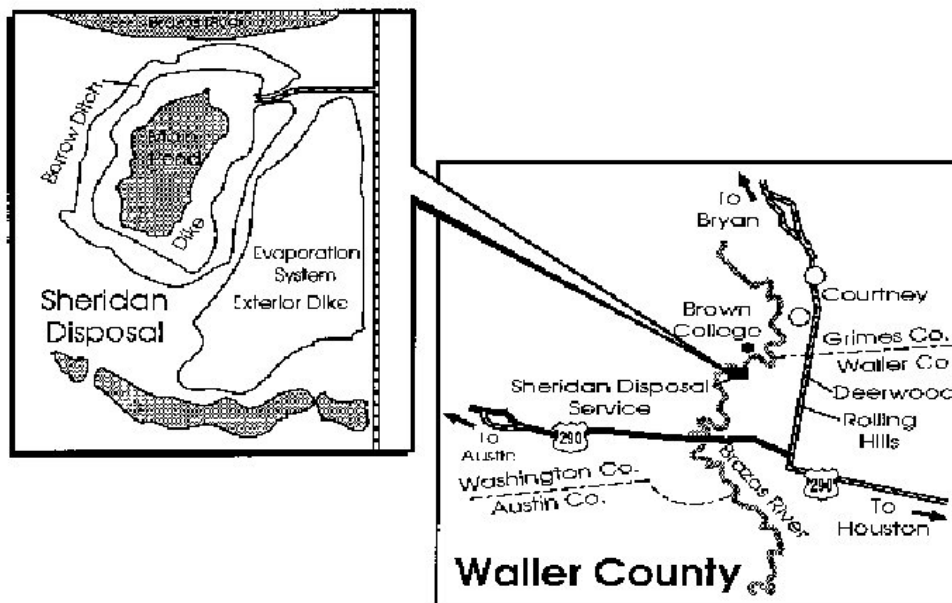
Wastes and Volumes

- The principal pollutants in sludges in the former waste lagoon at the Sheridan site include approximately 5% volatile organics compounds such as benzene, ethyl benzene, toluene, and trichloroethylene (TCE); polychlorinated biphenyls (PCBs) at approximately 100 parts per million (ppm); and roughly 30% inorganic compounds such as heavy metals.
- The volume of wastes at the site is estimated to be 44,000 cubic yards of sludge and contaminated soil, found primarily in a large waste lagoon.

NPL LISTING HISTORY

Site HRS Score: 30.67
Proposed Date: 6/10/86
Final Date: 3/31/89
NPL Update: No. 5

Site Map and Diagram



The Remediation Process

Site History:

- Sheridan Disposal Services collected waste oils and solvents from a variety of sources for disposal in an on-site surface impoundment, landfarm, and incinerator. The surface impoundment was operated from 1963 to 1973.
- In 1963, the Texas Water Quality Board issued a permit authorizing disposal of non-hazardous and industrial wastes. After permitting, the Texas Water Quality Board (TWQB) [now known as the Texas Natural Resource Conservation Commission] received complaints concerning odor, runoff, and oil in the Brazos River. The State also noted increased concentrations of contaminants in on-site monitoring wells.
- In 1970, the TWQB and Waller County filed suit against the Sheridan facility. In 1975, a judgement was entered by the Court that prohibited further discharge of wastes into the lagoon. After numerous discussions with Sheridan Disposal Services, the TWQB determined that the facility did not have the economic or technical resources necessary to close the lagoon properly.
- After polychlorinated biphenyls were identified in the lagoon, EPA became involved in the site closure through the Toxic Substances Control Act. In 1986 the site was proposed for inclusion on the National Priorities List.

- Records of Decision (RODs) were signed for the Source Control Operable Unit in December 1988 and the Ground Water Operable Unit in September 1989.
- Consent Decrees requiring the potentially responsible parties (PRPs) to carry out the selected remedies were lodged with the Court in December 1991. The Court entered the Consent Decrees in October 1997.
- The Sheridan Site Trust, which represents the PRPs, met with EPA in November 1996 to discuss details of a proposed Remedial Technology Review Program (RTRP). The purpose of the RTRP is to evaluate possible new remedies for the site. Treatability studies to evaluate solidification/stabilization and solid phase biotreatment were conducted as part of the RTRP.
- Based on the results contained in the 1998 Treatability Study report, the PRPs submitted another work plan for additional bench-scale treatability studies (Supplemental Treatability Study). The purpose of the additional treatability study was to evaluate solidification/stabilization mixtures that can meet site-specific performance standards. The PRPs have completed the Supplemental Treatability Study and have submitted a report to EPA detailing the results.

Health Considerations:

- Contaminants have been identified in the upper aquifer that is connected to the Brazos River.
- The Brazos River and the shallow alluvial aquifer and Evangeline Aquifer are used for drinking water supplies.

Present Status and Issues

- The Amended Record of Decision (ROD) to modify the remedy selected in the December 1988 ROD was approved in December 2002. The EPA revised the original remedy by eliminating the biotreatment of site wastes prior to stabilization and capping. All other components of the 1988 ROD are retained. The Consent Decree was amended to include the remedy change documented in the Amended ROD.
- The PRP group has selected a remedial design contractor and the contractor is drafting the RD/RA work plan.

Record of Decision

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| <p>Source Control Operable Unit: Amended ROD signed December 4, 2002</p> <p>Ground Water Operable Unit: September 27, 1989</p> |
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Source Control:

- The remedy selected for the Sheridan site waste ponds, tanks and soils in the Amended Record of Decision (ROD) is in-situ solidification/stabilization.
- Wastes to be treated included all those containing greater than twenty-five ppm PCBs, floating oil and emulsion in the waste pond and storage tanks, affected soil beneath the waste lagoon, and dike surface soils.
- A flexible spur jetty river bank erosion control system was installed in the Brazos River.
- A RCRA-compliant cap will be installed over the entire lagoon and dike area.

Ground Water:

- The ROD for ground water calls for natural attenuation of contamination.
- This remedy relies on natural processes such as sorption and biodegradation for in-place mitigation of contaminated ground water in the aquifer.
- Alternate Concentrations Limits (ACLs) were established as site ground water protection limits.
- Ground water is to be monitored to ensure that ACLs are not exceeded.
- Sampling and analysis of the Brazos River to be conducted immediately downgradient and

- upgradient of the point-of-entry of ground water from the site into the river.
- Development of a corrective action plan to ensure that protective levels are met at the point of potential exposure if ACLs are exceeded.

Community Involvement ---

- Community Involvement Plan: Developed 10/86
- Open houses and workshops: 5/91, 9/92
- Proposed Plan Fact Sheet and Public Meeting: 11/88 (Source), 7/89 (Ground Water)
- ROD Fact Sheet: 1/89 (Source), 10/89 (Ground Water)
- Milestone EPA Fact Sheets: 9/86, 12/89, 6/90
- Sheridan Site Trust (PRP) Fact Sheets: 8/87, 7/88, 4/90, 1/91, 4/91, 6/91, 4/92, 10/92, 1/93
- Citizens on EPA site mailing list: 96
- Constituency Interest: The site has a historically low level of citizen interest.
- Site Repository: Waller County Library, 2331 11th Street, Hempstead, TX 77445

Technical Assistance Grant ---

- Availability Notice: 4/9/89
- Letters of Intent Received: None
- Grant Award: N/A
- Current Status: No apparent citizen interest in applying for the grant

Contacts ---

- **Remedial Project Manager (EPA):** Gary A. Baumgarten, 214-665-6749, Mail Code: 6SF-AP
- **State Contact:** (TCEQ) Robert Wucher, (512) 239-2494, Mail Code: MC-143
- **Community Involvement (EPA):** Gary A. Baumgarten, 214-665-6749, Mail Code: 6SF-AP
- **Attorney (EPA):** Anne Foster, 214-665-2169, Mail Code: 6RC-S
- **State Coordinator (EPA):** Karen Bond, 214-665-6682, Mail Code: 6SF-AP
- **Regional Public Liaison (EPA):** Arnold Ondarza, (303) 312-6777
- **Prime Contractor:** EPA Oversight Contractor is Tetra Tech EM Inc.

Enforcement ---

- Information Request and General Notice letters sent to eighty-four PRPs - 6/20/86
- Information Request and General Notice letters sent to twenty PRPs - 7/10/96
- Administrative Order on Consent for performance of the RI/FS for the Source Control and Ground Water Operable Units - 2/3/87
- Administrative Order for responsible parties to lower the water level of the lagoon - 7/8/87
- General Notice and Information Request letters sent to fifty-seven PRPs - 1/27/89
- Special Notice Letter sent to PRP providing them with the opportunity to conduct or support the Source Control Remedial Action/Remedial Design (RD/RA) - 2/10/89
- Special Notice Letter sent to PRPs providing them with the opportunity to conduct or support the Ground Water Migration Management RD/RA - 10/31/89
- Administrative Order on Consent for responsible parties to conduct a Biotreatment Pilot Study - 7/2/90
- Consent Decrees for the Source Control and Ground Water Migration Management Operable Unit RD/RAs lodged with United States District Court, Southern District of Texas - 12/3/91
- Consent Decrees for the Source Control and Ground Water Migration Management Operable Units entered by the United States District Court, Southern District of Texas on - 10/22/97

Benefits

- Periodic maintenance of the levee system has occurred to prevent flooding of former disposal areas and possible contamination of the Brazos River.
- The remediation once completed will prevent contamination from migrating into ground water and stop contaminated ground water from discharging into the Brazos River.